

ASD CLOSURE DEVICE WITH SELF CENTERING ARM NETWORK

ABSTRACT OF THE DISCLOSURE

The present invention provides an occluder with a self centering system that keeps the occluder properly centered in a defect which allows the center of the occluder to remain properly positioned within the defect so that the left and right sides cover the entire defect which reduces the chance of blood shunting through the defect and increases the effectiveness of the occluder. The self centering system is comprised of a series of arms that provide tension to hold the right and left sides in place. The arms are shaped to provide a flexible intermediate zone comprising a left and a right conical shaped network, wherein each network extends from the right and left sides and narrows at the center section. The flexible intermediate zone centers the occluder and helps to hold it in place.